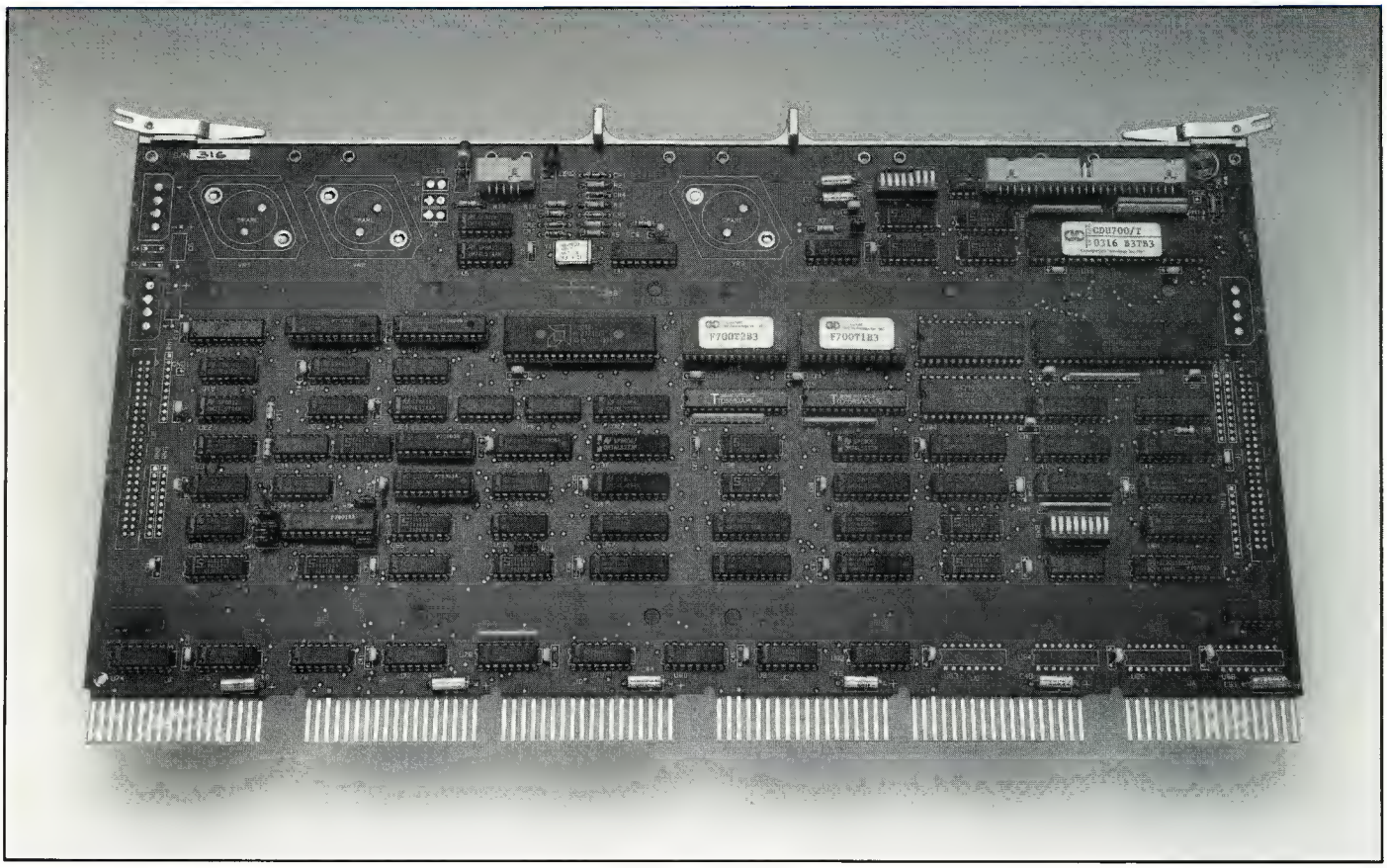
# CDU
## 700 SERIES
## UNIBUS SCSI HOST ADAPTER



**The CMD's CDU-700 Unibus SCSI host adapter is the best solution to bridging DEC MSCP/TMSCP protocols and SCSI optical, magnetic disk and tape products.**

- *16-bit microprocessor*
- *Unibus MSCP, TMSCP compatible*
- *16 KB sector buffer*
- *Command queuing and seek optimization*
- *Support up to 7 SCSI devices*
- *SCSI bus transfer rate up to 2 MB/sec*
- *Support disconnect and reconnect capability*
- *Support magnetic disk, tape and optical drives*
- *On-board utility to format, qualify drives*
- *Automatic drive configuration*
- *Dynamic defect management*
- *ANSI compatible tape format*
- *User selectable auto bootstrap*

*For more information or to order call:*

**1-800-4-CMD-TEC**

(1-800-426-3832)

In California call: (714) 454-0800

CMD TECHNOLOGY INC.

1 Vanderbilt
Irvine, California 92718
(714) 454-0800 • FAX: (714) 455-1656

# CMD TECHNOLOGY, INC. ANNOUNCES: CDU-700 UNIBUS SCSI HOST ADAPTER.

The CDU-700 is an intelligent Unibus SCSI host adapter which is fully compatible with the DEC Mass Storage Control Protocol (MSCP) and Tape Mass Storage Control Protocol (TMSCP).

The CDU-700 can be used with the PDP-11/84, PDP-11/70, PDP-11/44, PDP-11/34, PDP-11/24, VAX, etc. It supports RT-11, TSX+, RSX, RSTS, ULTRIX, UNIX, VMS and other operating systems which use the DU/MU drivers.

The CDU-700 supports 16K bytes sector buffer, command queuing, seek optimization, standard SCSI bus arbitration, disconnect/reconnect, and all required SCSI commands. Up to seven SCSI target devices (magnetic or optical) can be connected to CDU-700 with SCSI bus data transfer rate to 2M bytes per second.

The CDU-700 has an on-board utility for users to configure and format drives, scan bad blocks and replace them automatically.

The CDU-700 contains a user selectable automatic bootstrap option which can boot up the system on power up. It comes standard with an installation manual and a one year warranty.

## CONTROLLER SPECIFICATIONS

**Emulation:** MSCP, TMSCP

**Bus Interface:** Unibus

**CSR address:** (Disk) 772150, 760334, 760354, 760374, 760340, 760344, 760350, 760360
(Tape) 774500, 760404, 760444, 760504, 760544, 760410, 760450, 760454
(Disk/Tape) 772150, 760334, 760354, 774500, 760404, 760444

**Interrupt priority:** Level 4

**Interrupt vector:** Software programmable

**Command queuing:** 10 commands with optimized seek

**Data buffer capacity:** 16K-Byte sector buffer

**Bootstrap:** On board auto bootstrap and utility bootstrap

**Formatting:** On board format and bad block replacement

**Software supported:** All standard DEC operating systems

**LED Indicators:** Self test, drive error

**Peripheral interface:** Small Computer System Interface (SCSI)

**SCSI bus transfer rate:** 2MB/sec (maximum)

**SCSI parity:** Odd parity

**Multiple device support:** Up to 7 SCSI devices

**System performance:** Support disconnect/reconnect capability

**SCSI Driver/Receiver:** Single ended

**SCSI cable length:** Up to 20 ft. (6 m)

**Operating temperature:** 5ºC to 50ºC

**Relative humidity:** 10% to 90%, non-condensing

**Power requirement:** 5VDC, 2.8A

| MODEL | DESCRIPTION |
|---|---|
| CDU-700/M | Magnetic disk |
| CDU-700/T | Magnetic tape |
| CDU-700/OM | Optical and magnetic disk |
| CDU-700/TM | Magnetic disk and tape |

### DRIVES SUPPORTED:

#### DISK:

CDC, C.itoh, Conner, Fujitsu, Hitachi, Maxtor, Micropolis, Priam, Quantum, Rodime, Seagate, Siemens, Toshiba, ... etc.

#### TAPE:

Cipher, Exabyte, Wangtek, Kennedy, Archive, Caliper, Tandberg, Fujitsu, CDC, DAT, ... etc.

#### ERASABLE OPTICAL:

Ricoh, Sony, ... etc.

#### CD-ROM:

LMS, Phillips, Toshiba, ... etc.


★ MSCP, TMSCP, RT-11, RSX, ULTRIX, RSTS, VMS, Unibus, PDP-11, VAX are trademarks of Digital Equipment Corporation
★ TSX + is a trademark of S & H Computer Systems, Inc
★ UNIX is a trademark of AT&T
★ Specifications subject to change without notice



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1 Vanderbilt • Irvine, California 92718
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